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A NOVEL FOR FINE TUNING THE DECISION MAKING SENSE USING DECISION TREE ALGORITHM

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ABSTRACT

The web application is to apply for making a decision using Data analytics. The KNN algorithm is used to mining the data. Decision making will be automated by Data analytics using decision tree algorithm, by this algorithm we can auto scale the data from the database. Google analytics is creating a report based on user activation and it's used to improve the performance. To demonstrate this approach, taken model is Health care.

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INTRODUCTION

Everyday the people has attained health problems due to the realize of symptoms. If the symptoms become more severe, the people could consult the doctor otherwise they don't know their condition. It will cause more serious and causes dead. As well as the disease had been spreaded out throughout the region. It will cause greater declay of peoples. Avoid such a delay of health care, the survey would be taken. The questionnaire from the customer should be ask to the doctor. It will save life and early detection of problem. To reduce the cost of health care and avoid the delay of appointment. Electronically the information can be reached, it reduces the time of peoples. The information technology can be processed which can gather the problems and send it to the doctor. While existing system which can process very slowly but now which can directly send it to the doctor. Then large amount of data which can be maintained in a database and can mining data slowly. The drawback of existing system is maintaining space and more time to take actions. It makes human errors during large data processing. Now it can be digitalized. It can have solved during this technique. To recover all problems OLAP can be used to analyze immediately.

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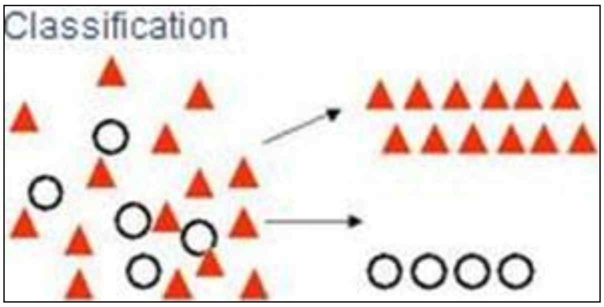
PROCESS

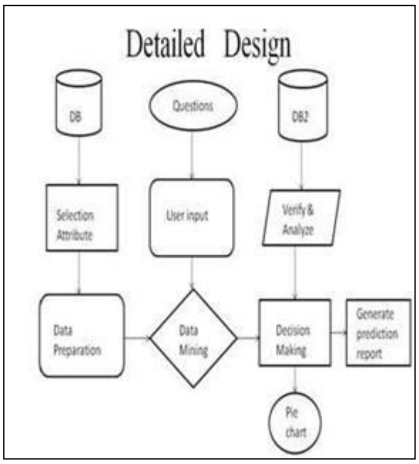


The process of mining the collected data using decision making algorithm. Knowledge discovered from the data can be refined using mining. The classification is easy to analyze and realize during process. Multidimentional databases can be applied during this process. The model of online analytical processing (OLAP) can be used.

(i) Classification: Target data to be identify and categories into separated groups. To recognize the data from the source and categorical.

(ii) Cluster Analysis: The procedure of collection similar protests in a similar group and another distinctive one in the diverse cluster. It can be anything but difficult to understand the classifications and to be assembled.

ARCHITECTURE



The chart has speaking to the procedure required in our project. First, collect information from the general population by bringing questions. It would hide away in database. Compared with comparing bunches which prohibit remaining categories. Through alluding the Naive Bayes calculation to accomplish the right choice.

PESUDO CODE

(a) Q1… Qn Answer compare with real data set and result assigned as R1.

(b) Result (Rn) has to be key for Decision (D).

(c) Result (Rn) is parallel processed as graphical (pie chart).

$$\boxed{Q1 <= Qn => Rn \approx D}$$

(d) This decision is based on location.

Dn ALGORITHM

(a) Q1 to Qn has n level clusters.

(b) If Qn have chosen a answer is assigned as (An).

(c) That An is compared with corresponding clusters, which exclude remaining categories.

(d) The compared An has processed with other symptoms.

(e) The result of cAn achieves the decision (Dn) of user entry.

$$\boxed{P(A/B) = P(A') P(A) / P(B)}$$

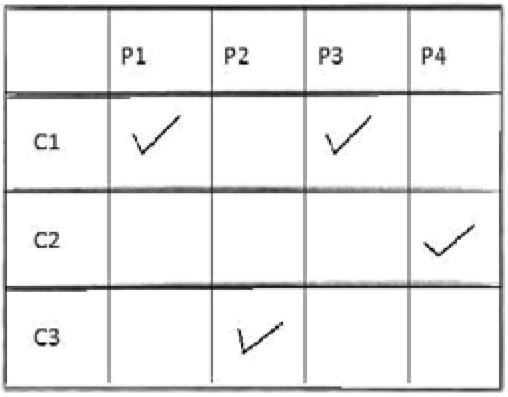
Where,

P(A) = Number of May or may not having Obesity.

P(A') = Number of having Obesity.

P(B) = Number of Not having Obesity.

RELATED WORK



	P1	P2	P3	P4
C1	✓		✓	
C2				✓
C3		✓		

In heath mind domain, there are many mining strategies have been utilized to separate the information for therapeutic datasets. To gather an information from the general population by making a poll form. The information can be put away in spreadsheet. In first, we make a poll shape for a heart disease. Due to the 30% of people groups on the planet are passed on by heftiness in 2016.After acknowledge of shrouded malady which is make mindfulness for individuals the study is taken. After get the information from the general population understand the general population might possibly have influenced and never influenced by sicknesses utilizing naives bayes theorm. To compute the rate of the general population in the specific district.

Where,

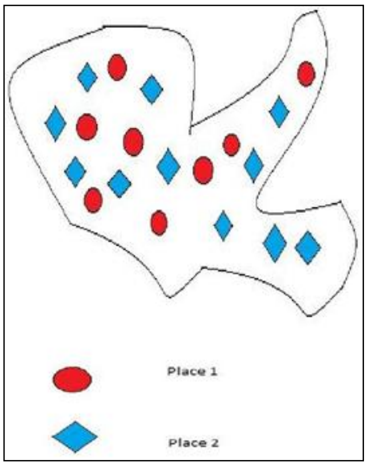
C – People

P1 – Stomach pain

P2 – Cancer

P3 – Breathing disorders

P4 – Blood Pressure



The graphical representation (pie outline) is utilized to dissect the comparision of the population. The lion's share locale can be effectively perceived amid this diagram. A dataset is a gathering of data, usually introduced in unthinkable form. Each section speaks to a specific variable. Each push relates to a given individual from the informational index in question. It records values for each of the variables, such as stature and weight of a protest or estimations of arbitrary numbers. Each esteem is known as datum. The informational index may contain information for at least one members, corresponding to the quantity of rows. An aggregate of 100 records with 10 medical attributes(factors) were gotten from the heftiness database records the attributes. The trait "tolerant ID" was utilized as the key; the rest are information attributes. It is accepted that issues, for example, missing data, on consistent information and copy information have all been resolved. Here in our venture we get an informational index from information document

The information can be partitioned into various gatherings and get the data from doctors. Next, the specific information is refreshed to the people. If they have queries, we need to clear that. The outline has spoken to the issue peoples. It can be refreshed subsequent to curing of peoples. During this, we need to view current people groups influenced amid obesity. To channel the people groups who have in serious condition utilizing the most extreme number of days they taken and does not cure at present. To refresh the most recent data to counsel experienced doctor. Moreover, the master specialists can straightforwardly refresh their sentiment.

CONCLUSION AND FUTURE WORK

Health care is enormous one for all peoples. From birth to death each people has acquire any small health affects. One of the part is obesity to make more destroy of population. In this paper we have presented the efficient approach for extract problems from patient and take precautions during short period. Data mining is used to make decisions and separate the groups. In our future, we are decided to survey on large real time disease affected like obesity and performance of our algorithm and other data mining algorithm.

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